Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/26/2021 09:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124066	-1	1.66	123970	1.66
Blue	F	SSC	125000	122218	-3	2.46	122556	2.32
Blue	E	FITC	13131	12659	-4	2.68	291	15.99
Blue	D	PE	24112	23622	-3	2.24	539	10.98
Blue	B	PerCP-Cy5-5	31295	30680	-2	3.39	1011	14.66
Blue	A	PE-Cy7	19939	19668	-2	5.43	527	29.33
Red	C	APC	42122	41340	-2	2.8	1736	11.34
Red	A	APC-Cy7	22340	21846	-3	3.02	816	11.83
Violet	B	V450	7410	7038	-6	3.18	426	12.52
Violet	A	V500	28118	27036	-4	2.71	674	9.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22894	1.79	567	-2	N/A	N/A	Pass
Blue	F	SSC	57129	1.34	518	6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0388	88	Pass
Blue	D	PE	114	37.06	488	0	0.3958	292	Pass
Blue	B	PerCP-Cy5-5	188	35.94	585	-1	0.0198	65	Pass
Blue	A	PE-Cy7	107	67.21	628	0	0.0216	0	Pass
Red	C	APC	402	24.03	580	4	0.0281	199	Pass
Red	A	APC-Cy7	183	27.86	556	5	0.0060	952	Pass
Violet	B	V450	61	61.19	463	10	0.0562	1957	Pass
Violet	A	V500	97	32.62	475	10	0.0255	591	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.52	-31.27	0.97
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.26	13.60 - 20.40	N/A	N/A	29.62	29.92	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12724

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments